

**CARBOHYDRATE RESEARCH, VOL. 171 (1987)**

---

**AUTHOR INDEX**

- ARAKI, Y., 125  
ARITA, M., 233
- BANDZOUZI, A., 13  
BEAU, J.-M., 289  
BELLOSTA, V., 279
- CAMPBELL, S. A., 259  
CHAPLEUR, Y., 13  
CIUFOLINI, M., 317  
COWART, M. D., 141  
CURRAN, D. P., 161  
CZERNECKI, S., 279
- DANISHEFSKY, S., 317  
DAWE, R. D., 35  
DESHONG, P., 342  
DUNKERTON, L. V., 89  
DUPUIS, J., 329
- EFFENBERGER, G., 59  
ELANGO, V., 342  
EUSKE, J. M., 89
- FÖRTSCH, A., 301  
FRASER-REID, B., 35  
FREEMAN, F., 1  
FUKUKAWA, K., 233
- GIANNIS, A., 201  
GIESE, B., 329  
GOTO, T., 193
- HOSHINO, Y., 233  
HOSOMI, A., 223
- ICHIKAWA, Y., 193  
INNERS, R. R., 259  
ISHIDO, Y., 125  
ISOBE, M., 193
- KOBAYASHI, N., 125  
KOBAYASHI, S., 81  
KÖLL, P., 301  
KONOBE, M., 193  
KONOIKE, T., 109  
KOZIKOWSKI, A. P., 109  
KUNZ, H., 25
- LEISING, M., 329  
LINDNER, H. J., 329  
LIOTTA, D., 259  
LESIMPLE, P., 289
- MARTIN, O. R., 211  
MARYANOFF, B. E., 259  
MUKAIYAMA, T., 81  
MÜLLER, B., 25
- NAGASAWA, J., 125  
NICOTRA, F., 49  
NIX, M., 329  
NORTEY, S. O., 259
- OHNO, M., 233  
OKUMOTO, T., 233
- PANZA, L., 49  
PHILLIPS, G., 317
- REITZ, A. B., 259  
RITTER, A., 109  
ROBARGE, K. D., 1  
RONCHETTI, F., 49  
RUSSO, G., 94
- SAITO, T., 233  
SAKAKIBARA, H., 233  
SAKATA, Y., 223  
SAKURAI, H., 223  
SANDHOFF, K., 201  
SCHMIDT, R. R., 59  
SERINO, A. J., 89  
SHUTO, S., 233  
SINAY, P., 289  
SLOUGH, G. A., 342  
SUH, Y.-G., 161  
SUN, K. M., 35
- TOMA, L., 49  
TSUJINO, M., 233
- WEISSMÜLLER, J., 25  
WILCOX, C. S., 141



## CARBOHYDRATE RESEARCH, VOL. 171 (1987)

## SUBJECT INDEX

- 2-Acetamido-2-deoxy-D-glucose, synthesis of C- $\alpha$ - and  $\beta$ -glycosides, of, 201
- Acetylene, bis(trimethylsilyl)-, reaction of 3,4,6-tri-O-acetyl-1,5-anhydro-D-arabino-hex-1-enitol with, 193
- Aldononitriles, 2,6-anhydro-, synthesis of, 301
- Alkene nitriles, synthesis in the presence of tributyltin hydride of C-glycosyl compounds from, 329
- Allylsilanes, synthesis of 3-(D-glycosyl)propenes by use of, 223
- Allyltrimethylsilane, reaction of 3,4,6-tri-O-acetyl-1,5-anhydro-D-arabino-hex-1-enitol with, 193
- Allyltrimethylsilane, C- $\alpha$ -D-ribofuranosylation with, 125
- 1-Amino-2,5-anhydro-3,4,6-tri-O-benzyl-1-D-glucitol, stereocontrolled synthesis of, 1
- 5-Amino imidazole-4-carboxamide analogs, synthesis and biological activity of, 233
- 2,6-Anhydroaldononitriles, synthesis of, 301
- D-Arabinose 1,5-bisphosphate, synthesis of, phosphate and carboxylate isosteres of, 259
- Arenes, 2-deoxy- $\alpha$ -D-glyc-2-enopyranosyl-, synthesis by conjugate addition of organocopper reagents of, 279
- Arenes, C-glucosyl-, synthesis of, 59
- C-Arylation, intramolecular, of pentofuranose derivatives, 211
- Benzene, oxysubstituted, synthesis of C-glucosyl derivatives of, 59
- Carboxylate isostere of D-arabinose 1,5-bisphosphate, synthesis of, 259
- Claisen rearrangement, mono-, of glycals, 161
- Copper reagents, organo-, synthesis of (2-deoxy- $\alpha$ -D-glyc-2-enopyranosyl)arenes by conjugate addition of, 279
- Cyclophanes, chiral, water-soluble, synthesis of, 141
- (2-Deoxy- $\alpha$ -D-glyc-2-enopyranosyl)arenes, synthesis by conjugate addition of organocopper reagents of, 279
- 1-Deoxy-1-C-methyl-C-glycosyl compounds, synthesis of, 13
- Dichloromethylenation of 1,4-lactones, 13
- Enamines, synthesis of C-glycosyl compounds by Michael addition of, 25
- Enol trimethylsilyl ether, C- $\alpha$ -D-ribofuranosylation with, 125
- D-Glucal, 3,4,6-tri-O-acetyl-, reaction with allyltrimethylsilane and bis(trimethylsilyl)acetylene of, 193
- D-Glucitol, 1-amino-2,5-anhydro-3,4,6-tri-O-1-deoxy-, stereocontrolled synthesis of, 1
- D-Glucopyranose, 4,6-O-ethylidene-, reaction with Wittig reagents of, 35
- ( $\alpha$ - and - $\beta$ -D-Glucopyranosyl)stannanes, tributyl-, -2-deoxy-, 2-deoxy-C- $\alpha$ - and - $\beta$ -D-glucopyranosyl compounds from, 289
- D-Glucose, 2-acetamido-2-deoxy-, synthesis of C- $\alpha$ - and  $\beta$ -glycosides of, 201
- C-Glucosylarenes, synthesis of, 59
- Glycals, mono-Claisen rearrangement of, 161
- (Glycopyranosid-1-yl)arene, methyl, spiroacetalization of, 317
- C-Glycopyranosylalkanes, synthesis from thio-glycosides of, 109
- C-Glycosyl compounds issue, ix
- C-Glycosyl compounds, macrocyclic, synthesis of, 141
- Glycosylmanganese complexes, pentacarbonyl-, stereoselectivity in the formation of, 342
- 3-(D-Glycosyl)propenes, synthesis by use of allylsilanes of, 223
- Heptenitols, iodocyclization of, 49
- D-arabino-Hex-1-enitol, 2,3,5-tri-O-benzyl-1,2-di-deoxy-, cyclization of, 1
- Hexenitols, iodocyclization of, 49
- Imidazole-4-carboxamide, 5-amino, synthesis and biological activity of analogs of, 233
- Intramolecular C-arylation of pentofuranose derivatives, 211
- Iodocyclization, Wittig, synthesis of C-glycosyl compounds by, 49
- 1,4-Lactones, dichloromethylenation of, 13
- Macrocyclic C-glycosyl compounds, synthesis of, 141
- Manganese complexes, pentacarbonylglycosyl-, stereoselectivity in the formation of, 342

- Michael addition of trimethylsilyl enol ethers and enamines, synthesis of C-glycosyl compounds by, 25
- Neplanocin A analogs, synthesis and biological activity of, 233
- 1-Nitroalditols, 2,3-anhydro-1-deoxy-, reduction of, 301
- Palladium(0)-assisted synthesis of C-glycosyl compounds, 89
- Papulacandin D. Synthesis of derivative of, 317
- Pentacarbonylglycosylmanganese complexes, stereoselectivity in the formation of, 342
- Pentofuranose, 2,3,5-tri-*O*-benzyl- and 2,3,5-tri-*O*-(3-methylbenzyl)-, intramolecular C-arylation of, 211
- Perchlorate, triphenylmethyl, synthesis of C- $\alpha$ -D-ribofuranosyl compounds in the presence of, 81
- Phosphonate isostere, of D-arabinose 1,5-biphosphate synthesis of, 259
- Propenes, 3-(D-glycosyl)-; synthesis by use of allylsilanes of, 223
- 2*H*-Pyrans, 2-acetoxy-5,6-dihydro-, alkylation of, 89
- D-Ribofuranose, 1,3-*O*-isopropylidene-, reaction with Wittig reagents of, 35
- C- $\alpha$ -D-Ribofuranosyl compounds, synthesis in the presence of triphenylmethyl perchlorate of, 81
- C- $\alpha$ -D-Ribofuranosylation with enol trimethylsilyl ether and with allyltrimethylsilane, 125
- Spiroacetalization of C-1-arylated methyl glycoside, 317
- Stannanes, tributyl (2-deoxy- $\alpha$ - and - $\beta$ -D-glucopyranosyl), 2-deoxy-C- $\alpha$ - and - $\beta$ -D-glucopyranosyl compounds from, 289
- Thioglycosides, phenyl and butyl, reaction of diorganozinc compounds with, 109
- 1-Thiohex-2-enopyranosides, 1-*S*-acetyl-, alkylation of, 89
- Tin hydride, tributyl-, synthesis of C-glycosyl compounds in the presence of, 329
- Triazen, 3-[2-(2-acetamido-2-deoxy- $\alpha$ ,  $\beta$ -D-glucopyranosyl)ethyl-1-*p*-nitrophenyl]-, synthesis of, 201
- Tributyl-(2-deoxy- $\alpha$ - and - $\beta$ -D-glucopyranosyl)-stannanes, 2-deoxy-C- $\alpha$ - and - $\beta$ -D-glucopyranosyl compounds from, 289
- Tributyltin hydride, synthesis of C-glycosyl compounds in the presence of, 329
- Trimethylsilyl enol ether, synthesis of C-glycosyl compound by Michael addition of, 25
- Triphenylmethyl perchlorate, synthesis of C- $\alpha$ -D-ribofuranosyl compounds in the presence of, 81
- Vinylogous anomeric effect, 161
- Wittig iodocyclization, synthesis of C-glycosyl compound by, 49
- Wittig reagents, reaction of 2,3-*O*-isopropylidene-D-ribofuranose and 4,6-*O*-ethylidene-D-glucopyranose with, 35
- Zinc, diorgano-, reagents for the synthesis of C-glycosyl compounds, 109

